

**PEARLITOL® 50 C - MANNITOL**

Definition

Product Identifier

**Product name:** PEARLITOL® 50 C - MANNITOL

D-MANNITOL  
CAS No.: 69-65-8  
INCI: MANNITOL

Specifications

A) CHARACTERS

APPEARANCE	White or almost white, crystalline powder.
SOLUBILITY	Very soluble in water, practically insoluble in ethanol.

B) IDENTIFICATION

INFRA RED ABSORPTION	EP / USP / JP	COMPLIES
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C) TESTS

D-MANNITOL (on DS)	EP / USP / JP	97.0 - 102.0 %
APPEARANCE IN SOLUTION	EP / USP / JP	Clear, colourless
CONDUCTIVITY	EP / USP / JP	20 microS/cm max.
MELTING POINT(**)	EP / USP / JP	165 - 170 °C
REDUCING SUGARS	EP / USP / JP	0.1 % max.
RELATED SUBSTANCES:		
- IMPURITY A:D-SORBITOL	EP / USP / JP	2.0 % max.
- SUM OF IMPURITIES B and C (IMPURITY B:D-MALTTITOL - IMPURITY C:ISOMALT)	EP / USP / JP	2.0 % max.
- UNSPECIFIED IMPURITIES	EP / USP / JP	0.10 % max.
- TOTAL IMPURITIES	EP / USP / JP	2.0 % max.
HEAVY METALS(**)	JP	5 mg/kg max.
NICKEL(**)	USP / JP	1 mg/kg max.
LOSS ON DRYING	EP / USP / JP	0.5 % max.

PRODUCT SPECIFICATIONS SHEET

**PEARLITOL® 50 C - MANNITOL**

**PARTICLE SIZE (laser)**

- PART. > 250 microns	5 % max.
- PART. > 100 microns	25 % max.
- PART. > 20 microns	55 % min.

**MICROBIOLOGICAL VALUES:**

- TOTAL AEROBIC MICROBIAL COUNT	EP / USP	1000 CFU/g max.
- TOTAL YEASTS AND MOULDS COUNT	EP / USP	100 CFU/g max.
- ESCHERICHIA COLI(**)	EP / USP	Not detected in 1g
- SALMONELLA(**)	EP	Not detected in 10g

- \*\* Monitoring plan

**Comments**

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Not intended for use in manufacture of parenteral dosage forms.

Methods used by Roquette may be the Pharmacopoeia methods or alternative validated methods which have been compared to the Pharmacopoeia methods.

**Conformity**

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**Conforms to the current edition of**

- European Pharmacopoeia (EP) MANNITOL (0559)
- US Pharmacopoeia (USP) MANNITOL
- Japanese Pharmacopoeia (JP) D-MANNITOL

Please contact us for any statement regarding compliance to the General Chapters (elemental impurities, residual solvents, organic volatile impurities, metal catalyst, metal reagent).

**Storage**

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**Expiry date** Manufacturing date + 3 years, in its unopened packaging.

-These dates are indicative and may vary according to packaging type and manufacturing plant. Proper information is shown on labelling and CoA.

-We recommend to preserve the product in its unopened original packaging, preferably protected from wide variations of temperature and humidity.

-Upon opening, use the product as quickly as possible to prevent moisture regain.

**Disclaimer**

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## PRODUCT SPECIFICATIONS SHEET

### PEARLITOL® 50 C - MANNITOL

The information provided in this Product Specification Sheet relates only to the specific product designated and may not be applicable when such product is used in combination with other materials or in any process.

All information and instructions provided in this Product Specification Sheet are based on the current state of our knowledge at the latest revision date indicated. It is the responsibility of the user to be aware of and to follow the regulations applying to our product for its possession, handling and use.

Notes : All the dates are formatted like YYYY/MM/DD.